

Union of Soviet
Socialist
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State Committee
of the USSR
for Inventions and
Discoveries

**SPECIFICATION OF
INVENTION**
TO INVENTORS' CERTIFICATE

166,452

Of addition to Inventor's Certificate No. -
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with attachment of Application No. -

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Applicant: -

STOMATOLOGY DIATHERMY COAGULATOR

Claims

1. A stomatology diathermy coagulator comprising a power transformer, a rectifier built about semiconductors diodes, a smoothing filter, a mains filter and a patient's filter for suppression of interference with radio reception, an instrument holder, a set of cutting and coagulation instruments, *characterized in that*, in order to avoid burns and electric shocks which could be suffered by the patient during operation of the device, the latter has an electrical circuitry that eliminates the need for a "passive" electrode to be applied to the patient's body, such as a circuitry including a self-excited oscillator built about a layout of a quartz self-oscillator with an electronic coupling, and with the quartz crystal connected between the screening grid and the control grid of the electron tube.